

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Motohiro SUZUKI
Title: ON-DEMAND SERVICE
EXPANDING SYSTEM AND
METHOD FOR PROVIDING
SERVICES
Appl. No.: Unassigned
Filing Date: 06/06/2001
Examiner: Unassigned
Art Unit: Unassigned

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-identified application, Applicants respectfully request that the following amendment be entered into the application:

In accordance with 37 CFR §1.121, please substitute for original claims 6-9 the following rewritten versions of the same claims, as amended. The changes are shown explicitly in the attached "Version with Markings to Show Changes Made."

IN THE CLAIMS:

6. (Amended) A service providing system of a service-contents preliminary delivery type as claimed in claim 4, wherein:

said service-forecasting means involves a means for maintaining an access history with respect to Web pages by a client, and forecasting a service, which will be used by the client from the history.

7. (Amended) A service providing system of a service-contents preliminary delivery type as claimed in claim 4, wherein:

said service forecasting means involves a means for selecting e-mails that have been addressed to the client based on an identifier delivered from said broker controller.

8. (Amended) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the on-demand service expanding system as claimed in claim 2 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and

determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

9. (Amended) A storage medium, comprising:

a program by which the on-demand service expanding system as claimed in claim 1 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

Please add the following new claims.

10. (New) A service providing system of a service-contents preliminary delivery type as claimed in claim 5, wherein:

said service-forecasting means involves a means for maintaining an access history with respect to Web pages by a client, and forecasting a service, which will be used by the client from the history.

11. (New) A service providing system of a service-contents preliminary delivery type as claimed in claim 5, wherein:

said service forecasting means involves a means for selecting e-mails that have been addressed to the client based on an identifier delivered from said broker controller.

12. (New) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the service providing system of a service-contents preliminary delivery type as claimed in claim 3 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

13. (New) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the service providing system of a service-contents preliminary delivery type as claimed in claim 4 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

14. (New) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the service providing system of a service-contents preliminary delivery type as claimed in claim 5 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

15. (New) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the service providing system of a service-contents preliminary delivery type as claimed in claim 6 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

16. (New) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the service providing system of a service-contents preliminary delivery type as claimed in claim 7 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

17. (New) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the service providing system of a service-contents preliminary delivery type as claimed in claim 10 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

18. (New) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the service providing system of a service-contents preliminary delivery type as claimed in claim 11 has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself (hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

19. (New) A storage medium, comprising:

a program by which the on-demand service expanding system as claimed in claim 2 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

20. (New) A storage medium, comprising:

a program by which the on-demand service expanding system as claimed in claim 3 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

21. (New) A storage medium, comprising:

a program by which a service providing system of a service-contents preliminary delivery type as claimed in claim 4 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

22. (New) A storage medium, comprising:

a program by which a service providing system of a service-contents preliminary delivery type as claimed in claim 5 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

23. (New) A storage medium, comprising:

a program by which a service providing system of a service contents preliminary delivery type as claimed in claim 6 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

24. (New) A storage medium, comprising:

a program by which a service providing system of a service contents preliminary delivery type as claimed in claim 7 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

25. (New) A storage medium, comprising:

a program by which a service providing system of a service contents preliminary delivery type as claimed in claim 8 is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.

REMARKS

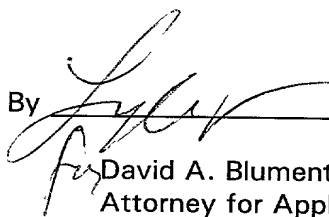
Applicant respectfully request that the foregoing amendments to Claims 4-9 and new Claims 10-25 be entered in order to avoid this application incurring a surcharge for the presence of one or more multiple dependent claims.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

6. (Amended) A service providing system of a service-contents preliminary delivery type as claimed in claim 4 [or 5], wherein:

said service-forecasting means involves a means for maintaining an access history with respect to Web pages by a client, and forecasting a service, which will be used by the client from the history.

7. (Amended) A service providing system of a service-contents preliminary delivery type as claimed in claim 4 [or 5], wherein:

said service forecasting means involves a means for selecting e-mails that have been addressed to the client based on an identifier delivered from said broker controller.

8. (Amended) A method for providing services involving a communication network provider, service providers, and customers, comprising:

said communication network provider constructing and operating a communication network by the use of communication equipment and computers in which the on-demand service expanding system as claimed in claim 2 [or the service providing system of a service-contents preliminary delivery type as claimed in any one of claims 3 through 7] has been installed to provide a connection service with the communication network operated by the communication network provider oneself with respect to the customers, whereby an environment making possible to provide services to the customers by the use of the on-demand service expanding system residing on the communication network constructed by the communication network provider oneself

(hereinafter referred to as "service providing environment") is supplied to a plurality of the service providers, so that use fees for the service providing environment in response to use fees for resources of the communication equipment in addition to communication fees for the communication network operated by the communication network provider oneself are collected from the plurality of service providers; and

said service providers constructing servers and front-ends in which services to be provided to customers have been installed in the service providing environment supplied from said communication network provider to distribute clients to the customers thereby to provide services with respect to the customers, and determining use fees of a service to be supplied to the customers from the service providers themselves with taking fees to be paid to the communication network provider into consideration, and collecting the fees determined from each customer who makes an agreement with the service providers in use of services.

9. (Amended) A storage medium, comprising:

a program by which the on-demand service expanding system as claimed in [any one of claims 1 through 3] claim 1 [or a service providing system of a service-contents preliminary delivery type as claimed in any one of claims 4 through 8] is realized as a result of installing the program in computers or communication devices contained in a communication network being stored in said storage medium.